AMERICAN UNIVERSITY OBSERVATORY

MONTHLY BULLETIN

METEOROLOGICAL SECTION

OWEN GINGERICH, DIRECTOR

GIORGIO CONTINO, ASSOCIATE DIRECTOR

BEIRUT, LEBANON

Latitude: 33° 54' 22" N.

Longitude: $2^h\ 21^m\ 52^s.7$ E.

JUNE 1957

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JUNE 1957

METEOROLOGICAL REGISTER

Date	Barometer reduced to O°C Sea level and 45° Latitude 700 mm. +...				Thermometer Degrees Centigrade					
	8:30	14:30	20·30	Mean	Max.	Min.	8:30	14:30	20.30	Mean
1	58 9	58.9	59.2	59.0	26.7	20.2	24.4	21.6	22.1	24.2
2	59.5	59.1	58.2	58.9	27.0	21.0	24.8	26.7	22.8	24.8
3	57.5	55.8	56.5	56.6	26.7	17.1	24.7	26.0	22.5	24.4
4	56.6	56.5	57.4	56.8	26.4	19.7	23.7	26.3	21.8	23.9
5	56.5	56.8	58.0	57.1	27.1	19.6	24.4	26.5	21.7	24.2
6	58.6	58.5	58.2	58.4	27.6	20.6	25.0	27.1	22.2	24.8
7	57.3	56.5	55.3	56.4	29 0	22.0	24.7	28.7	23.0	25.5
8	56.4	56.3	56.5	56.4	27.6	21.1	26.5	26.7	22.8	25.3
9	56.5	56.1	55.9	56.2	27.9	21.0	25.1	27.8	23.0	25.3
10	55.9	55.6	56.3	55.9	27.8	21.7	24.9	26.5	23.1	24.8
11	55.9	56.2	56 6	56.2	27.7	22.5	24.7	26 7	23.3	24.9
12	56.7	56.8	56.5	56.7	28.1	21.2	25.8	27.7	22.9	25.5
13	57.6	57.7	59.0	58.1	28.1	21.2	25.8	27.2	23.7	25.6
14	58.0	56.9	57.4	57.4	28.7	21.5	26.0	27.8	23.6	25.8
15	56.5	56.2	56.1	56.3	28.5	21.0	26.1	27.9	23.6	25 9
16	56.7	56.9	57.8	57.1	29.0	21.5	25.7	28.8	23.3	25.9
17	58.9	59.2	59.1	59.1	28.1	21.6	26.8	27.3	23.4	25.8
18	59.9	60.2	60.6	60.2	28.8	21.7	26.1	28.3	24.0	26.1
19	60.5	60.1	60.1	60.2	29.3	22.9	27.2	29.0	24.5	26.9
20	60.2	59.5	59.3	59.7	30.2	22.7	27.7	29.3	24.6	27.2
21	59.1	58.5	58.2	58.6	31.1	22.7	27.1	30.6	24.9	27.5
22	58.1	57.4	56.9	57.5	30.3	22.9	27.9	29.3	25.3	27.5
23	56.5	55.8	55.4	55.9	31.0	23.7	27.4	30.1	26.1	27.9
24	55.1	54.5	54.0	54.5	30.3	23.9	28.3	29.8	25.8	28.0
25	53.9	53.7	53.8	53.8	30.4	23.5	27.7	29.6	25.8	27.7
26	53.8	54.3	54.6	54.2	30.9	24.1	27.4	30.4	25.8	27.9
27	53.8	53.7	53.7	53.7	30.4	24.8	27.9	29.7	26.5	28.0
28	54.6	55.4	56.1	55.4	30.8	23.0	28.1	29.9	26.1	28.0
29	56 9	57.0	57.3	57.1	30.5	24.6	29.0	28.8	25.5	27.8
30	57.4	57.3	57.8	57.5	30.0	22.6	26.8	28.7	24.5	26.7
31										
	57.12	56.91	57.06	57.03	28.87	21.92	26.26	28.18	23.94	26.13

Barometer, range for month 760.6 mm. — 753.7 mm.
„ 71-yr. average for month 757.92 mm.
Thermometer, range for month 31.1°C — 17.1°C
„ 71-yr. average for month 25.62°C
Rain total for month 5.53 mm.
„ 71-yr average for month 3.26 mm.
„ Total, Sept. 1st. to end of month 673.05 mm.
„ 71-yr average. Sept. 1st. to end of month 891.41 mm.

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Date	Pressure of Water Vapor Millibars				Relative Humidity per cent.				sun.	Wind per day	Rain
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	23.7	23.7	24.2	23.9	78	69	91	79	12.4	438	
2	23.3	25.3	25.7	24.8	74	73	94	80	11.2	819	
3	21.1	22.4	23.5	22.3	69	66	88	74	11.0	671	
4	19.7	17.3	16.7	17.8	66	52	64	61	12 8	348	4.80
5	20.5	22.6	22.0	21.7	68	64	85	72	12.8	312	
6	21.9	21.5	22.9	22.1	69	60	85	71	12.5	238	
7	23.7	26.4	21.2	23.8	78	66	78	74	12.2	373	
8	23.9	23.9	23.7	23.8	69	68	85	74	12.3	409	
9	23.3	22.4	21.2	22 3	73	59	77	70	8.3	314	
10	20.0	22.6	22.0	21.5	63	64	77	68	7.2	180	0.73
11	22.4	22.6	22.0	22.3	73	64	78	72	8.5	278	
12	23.5	22.4	21.2	22.4	72	60	77	70	8.1	245	
13	19.6	21.5	22.8	21.3	61	60	76	66	12.3	356	
14	23.0	22.4	22.0	22.5	68	60	77	68	12.4	443	
15	22.4	23.0	22.0	22.5	66	63	78	69	9.1	264	
16	20.2	22.8	22.0	21.7	62	57	77	65	12.3	200	
17	21.9	20.2	20.7	20.9	63	57	73	64	12.7	188	
18	22.4	22.6	23.5	22.8	66	58	80	68	13.0	169	
19	22.1	24.2	24.4	23.6	60	62	79	67	13.2	269	
20	21.7	25.9	25.0	24.2	57	64	83	68	13.3	375	
21	26.3	25.8	26.6	26.2	72	60	84	72	13.2	237	
22	26.5	25.9	26.0	26.1	70	62	81	71	12.9	262	
23	26.3	29.2	29.3	28.3	74	69	86	76	12.9	383	
24	29.0	30.0	29.0	29.3	74	70	89	78	12.6	589	
25	27.3	28.1	28.3	27.9	73	69	87	76	12.5	344	
26	26.3	28.8	28.3	27.8	73	65	86	75	11.9	370	
27	26.5	28.1	23.9	26.2	72	69	68	70	12.4	660	
28	26.8	24.8	23.0	24.9	69	59	67	65	12.1	454	
29	20.1	23.5	24.1	22.6	51	59	74	61	9.6	338	
30	21.9	22.8	19.8	21.5	63	57	64	61	5.0	312	
31											
	23.24	24.09	23.57	23.64	68.2	62.8	79.6	70.2	11.42	361.27	0. 18

Height of Barometer above sea level : 33.7 meters.
Height of Thermometers above ground :
Dry and wet 1.25 m. ; Max. 1.30 m. ; Min. 1.50 m.
Hygrometric data from readings of wet and dry bulb thermometers exposed in a Stevenson screen, reduced according to M.O. 265.
Rim of Rain Gauge : above ground 0.66 m. ; above sea level 30.31 m.
Rainfall is read at 20:30 for the preceding 24 hours.
71 vear averages are for period, 1875-1945

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Date	Clouds clear—0 Overcast—10				beaufort, scale Direction and force of wind			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	6st	0	8st	4.7	3sw	3sw	1sw	light	D.p m
2	0	0	0	0.0	3sw	3sw	3sw	,,	H.a.m.p.m.D.p.m
3	0	0	10st	3.3	3sw	5sw	3sw	,,	H.p.m
4	0	0	0	0.0	3sw	3ne	2ne	,,	
5	0	0	0	0.0	3sw	3W	2w	,,	D.p.m
6	0	0	0	0.0	2n	2w	2ne	light	D.p.m
7	0	0	0	0.0	3sw	2nw	2ne	,,	H.a.m.p.m.D.p.m
8	0	1cu	9ci	3.3	3sw	3sw	3sw	,,	D.p.m
9	2ci-cu	6ci-cu	8cu	5.3	3sw	1s	1s	,,	
10	10ci-st	10st	10cu-st	10 0	3sw	2w	0	,,	
11	3ci-st	9st	10st	7.3	3sw	2w	2ne	light	
12	8cu-st	8cu-st	10st	8.7	2nw	3w	2n	,,	
13	0	5cu-st	7cu-st	4.0	2w	3w	2w	,,	
14	3cu	1cu-st	0	0.3	3sw	3sw	3sw	,,	
15	0	6st	10st	5.3	4sw	3sw	2sw	,,	H.a.m
16	1cu	2cu-st	8st	3.7	3sw	3sw	0	light	
17	5cu-st	2cu-st	0	2.3	2ne	3n	1n	,,	
18	0	0	5st	1.7	3w	3w	1w	,,	H.a.m
19	0	0	0	0.0	2n	3n	2n	,,	D.p.m
20	0	0	0	0.0	2n	2ne	2ne	,,	D.p.m
21	0	0	0	0.0	3sw	3ne	2ne	light	D.p.m
22	0	0	0	0.0	3sw	3sw	2sw	,,	D.a.m
23	0	0	0	0.0	3sw	3w	2w	,,	H.a.m.D.p.m
24	6st	3st	3st	4.0	3sw	3w	3w	,,	H.a.m.d.p.m
25	2st	1st	0	1.0	3sw	3sw	2sw	,,	H.a.m.p.m.D.p.m
26	1ci	5st	0	2.0	3sw	3sw	3nw	light	H.a.m.p.m.D.p.m
27	0	0	0	0.0	3sw	4sw	3w	,,	H.a.m.p.m
28	0	6ci-st	10st	5.3	4sw	3sw	3w	,,	H.a.m.p.m
29	4cu-st	8cu-st	7st	6.3	3sw	3w	2nw	,,	H.p.m
30	10st	7st	1cu	6.0	2nw	3sw	3w	,,	Tr.a.m
31									
	mean								

Abbreviations: G = gale; H = haze; M = mist; T = thunderstorm; D = dew
W = strong wind; Tr = trace of rain

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	3	1	0	0	0	22	2	2	0	30
14:30	2	3	0	0	1	13	10	1	0	30
20:30	3	6	0	0	1	8	8	2	2	30
Total	8	10	0	0	2	43	20	5	2	90

Number of days with rain 2, fog 0, thunderstorms 0, gale. 0
71 yr. av. number of days with rain during month 0.79
Time of reading minus 2 hours equals G.C.T